



Monoclonal Antibody to CD15 (Human Granulocyte Antigen)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD15

PRODUCT# IMI14161E (Ready-To-Use)

PRODUCT# IMI14152E (Concentrate)

Antibody Formats Supplied

7 ml of anti CD15, Ready-To-Use

0.2 ml of anti CD15, Concentrate

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgM

POSITIVE CONTROL TISSUE: Hodgkin's lymphoma

CLONE: BY87

REACTIVITY

CD15 epitope associated with Carbohydrate sequence 3-fucosyl-N acetylactosamine also known as hapten X. CD15 is a myeloid marker present on granulocytes (neutrophils, basophils, eosinophils, etc.), CD15 is also present on Hodgkin's and Reed- Sternberg cells. This CD15 antibody like Tu9 and Leu-M1 antibodies reacts and stains myeloid originated cells, mainly, granulocytes, it remains non-reactive with monocytes/ macrophages, lymphocytes and platelets in formalin/ routinely fixed, paraffin embedded, frozen sections and in peripheral blood cell preparations. In Hodgkin's disease this antibody shows staining of Hodgkin's cells and Reed-Sternberg cells.

STAINING PATTERN: Membrane staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

CD15 monoclonal affinity purified mouse ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.1% sodium azide.

7 ml Ready-to-Use, **Do Not Dilute**. Incubate for 30 minutes.

This antibody best stains when formalin fixed paraffin embedded sections are gently retrieved with Uni-Trieve. CD antigens are heat labile and are destroyed by extreme heat. Avoid retrieving CD markers with microwave, steamer and pressure cookers.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml of Concentrate; for 30 minute to 1-hour incubation, dilute 1:50-1:80.

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The above dilutions and incubation times were derived by the use of Innovex STAT-Q -detection system. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

APPLICATIONS

This antibody is intended for use in immunolocalization of CD15 antigen by a variety of immunoassays such as Immunocytochemistry in human and animal tissues, ELISA, Immunoblotting and dot blotting. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of CD15 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with tissues of human has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

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